



COPY OF PAPERS
ORIGINALLY FILED

UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. MBHB-00-812-F; RPI Ref. No. 400/043)

RECEIVED

JUN 27 2002

TECH CENTER 1600/2900

In the Application of:)
)
Stinchcomb, et al.)
)
Serial No.: 10/056,414)
)
Filing Date: January 23, 2002)
)
For: Ribozyme Treatment of Diseases or)
Conditions Related to Levels of NF-κB)

Art Unit: 1635

Examiner: A. Wang

#5/K.T.
7/2

I.D.S.

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to the duty of disclosure provided by 35 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references of record in the above-identified application. Copies of the references were previously submitted in parent application serial numbers 08/291,932 and 08/777,916, and in accordance with 37 C.F.R. Section 1.98(d), are not being resubmitted (document numbers marked with "*" are not enclosed). These references are also listed in the PTO-1449 form enclosed herewith.

Portions of the references may be material to the examination of the pending claims, however no such admission is intended 37 C.F.R. 1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. sections 102 or 103.

Applicants do not believe any fee is due with this submission. If this belief be in error and the Patent Office determines that the fee prescribed in the relevant portion of 37 C.F.R. Section 1.97 is applicable, the undersigned attorney by her signature hereby authorizes any such fee to be debited from Deposit Account 13-2490.

CITED REFERENCES

I. United States Patents

- * Altman, U.S. Patent No. 5,168,053, issued August 17, 1990.
- * Cech et al., U.S. Patent 4,987,071, issued January 22, 1991.
- * Draper et al., U.S. Patent No. 5,496,598, issued March 5, 1996.
- * McSwiggen, U.S. Patent No. 5,525,468, issued June 11, 1996.
- * Nabel et al., U.S. Patent No. 5,328,470, issued July 26, 1991.
- * Slepian et al., U.S. Patent No. 5,213,580, issued May 25, 1993.

II. Foreign Documents

- * Calabretta et al., WO 92/20348, published November 26, 1992.
- * Draper et al., WO 93/23569, published November 25, 1993.
- * Eckstein et al., WO 99/16871, published April 8, 1999.
- * Fung et al., WO 91/15580, published October 17, 1991.
- * Gewirtz, WO 93/09789, published May 27, 1993.
- * Reddy, WO 92/00080, published January 9, 1992.
- * Rosenberg, WO 93/08845, published May 13, 1993.
- * Rossi et al., WO 91/03162, published March 21, 1991.
- * Scanlon, WO 91/18913, published December 12, 1991.

- * Scanlon, WO 91/18624, published December 12, 1991.
- * Scanlon, WO 91/18625, published December 12, 1991.
- * Sproat et al., WO 92/11298
- * Sullivan et al., WO 94/02595, published February 3, 1994.
- * Sytkowski, WO 93/02654, published February 18, 1993.
- * Usman et al., WO 93/15187, published August 5, 1993.

III. Other Documents

- * Akhtar and Juliano, "Cellular Uptake and Intracellular Fate of AntiSense Oligonucleotides," Trend Cell Biol. 2:139-144 (1992)
- * Alitalo et al., "Aberrant Expression of An Amplified *c-myb* Oncogene in two cell lines from a colon carcinoma," Proc. Natl. Acad. Sci. USA 81:4534-4538 (1984)
- * Anfossi et al., "An oligomer complementary to *c-myb*-encoded mRNA inhibits proliferation of human myeloid leukemia cell lines," Proc. Natl. Acad. Sci. USA 86:3379-3383 (1989)
- * Austin et al., "Intimal Proliferation of Smooth Muscle Cells as an Explanation for Recurrent Coronary Artery Stenosis After Percutaneous Transluminal Coronary Angioplasty," J. Am. Coll. Cardiol. 6:369-375 (1985)
- * Ballantyne et al., "Nucleotide Sequence of the cDNA for murine intercellular adhesion molecule-1 (ICAM-1)," Nucleic Acids Research 17:5853 (1989)
- * Banskota et al., "Insulin, Insulin-Like Growth Factor I and Platelet-Derived Growth Factor Interact Additively in the Induction of the Protooncogene *c-myc* and Cellular Proliferation in Cultured Bovine Aortic Smooth Muscle Cells," Molec. Endocrinol., 3:1183-1190 (1989)
- * Barinaga, "Ribozymes: Killing the Messenger," Science 262:1512-1514 (1993)
- * Belknap et al., "Modulation-Induced Expression of Serum Response Factor in Vascular Smooth Muscle Cells," J. Cell Biochem. S18A:277 at E200 (1994)
- * Bennett et al., "Cationic Lipids Enhance Cellular Uptake and Activity of Phosphorothioate Antisense Oligonucleotides," Mol. Pharmacology 41:1023-1033 (1992)

- * Biotech Abstracts Act. #91-00050 EP 388758 (9/26/90)
- * Biro et al., "Inhibitory Effects of Antisense Oligodeoxynucleotides targeting *c-myc* mRNA on smooth muscle cell proliferation and migration," Proc. Natl. Acad. Sci. USA 90:654-658 (1993)
- * Blam et al., "Addition of Growth Hormone Secretion Signal to basic Fibroblast Growth Factors Results in Cell Transformation and Secretion of Aberrant Forms of the Protein," Oncogene 3:129-136 (1988)
- * Bours et al., "A Novel Mitogen-Inducible Gene Product Related to p50/p105-NF- κ B Participates in Transactivation through a κ B Site," Molecular and Cellular Biology 12:685-695 (1992)
- * Brown et al., "Expression of the *c-myb* Proto-oncogene in Bovine Vascular Smooth Muscle Cells," J. Biol. Chem. 267:4625-4630 (1992)
- * Bywater et al., "Expression of recombinant platelet-derived growth factor A-chain and B-chain homodimers in Rat-1 cells and human fibroblasts reveals differences in protein processing and autocrine effects," Molecular And Cellular Biology 8:2753-2762 (1988) (ABSTRACT ONLY)
- * Calabretta et al., "Normal and Leukemic Hematopoietic Cells Manifest Differential Sensitivity to Inhibitory Effects of *c-myb* Antisense Oligodeoxynucleotides: An *in vitro* study relevant to bone marrow purging," Proc. Natl. Acad. Sci. USA 88:2351-2355 (1991)
- * Califf et al., "Restenosis: The Clinical Issues," in Textbook of Interventional Cardiology, E.J. Topol, ed., W. B. Saunders, Philadelphia, pp 363-394 (1990)
- * Cameron and Jennings, "Specific Gene Expression by Engineered Ribozymes in Monkey Cells," Proc. Natl. Acad. Sci. USA 86:9139-9143 (1989)
- * Cech, "Ribozymes and Their Medical Implications," JAMA 260:3030-3034 (1988)
- * Chen et al., "Multitarget-Ribozyme Directed to Cleave at up to Nine Highly Conserved HIV-1 env RNA Regions Inhibits HIV-1 Replication-Potential Effectiveness Against Most Presently Sequenced HIV-1 Isolates," Nucleic Acids Research 20:4581-4589 (1992)
- * Chowrira and Burke, "Extensive Phosphorothioate Substitution Yields Highly Active and Nuclease- Resistant Hairpin Ribozymes," Nucleic Acids Research 20:2835-2840 (1992)

- * Chuat and Galibert, "Can Ribozymes be Used to Regulate Prokaryote Gene Expression?" Biochemical and Biophysical Research Communications 162:1025-1029 (1989)
- * Cleary et al., "Cloning and Structural Analysis of cDNAs For bcl-2 and a Hybrid bcl-2/Immunoglobulin Transcript Resulting from the t(14;18) Translocation," Cell 47:19-28 (1986)
- * Clowes et al., "Kinetics of Cellular Proliferation After Arterial Injury," Lab Invest. 49:327-333 (1983)
- * Collins and Olive, "Reaction Conditions and Kinetics of Self-Cleavage of a Ribozyme Derived From *Neurospora* VS RNA," Biochemistry 32:2795-2799 (1993)
- * Cotten, "The in vivo application of ribozymes," TIBTECH 8:174-178 (1990)
- * Cotten et al., "Chicken Adenovirus (CELO Virus) Particles Augment Receptor-Mediated DNA Delivery to Mammalian Cells and Yield Exceptional Levels of Stable Transformants," J. Virol. 67:3777-3785 (1993)
- * Cotten et al., "High-Efficiency Receptor-Mediated Delivery of Small and Large (48 Kilobase Gene Constructs Using the Endosome-Disruption Activity of Defective or Chemically Inactivated Adenovirus Particles," Proc. Natl. Acad. Sci. USA 89:6094-6098 (1992)
- * Cotten et al., "Transferrin-Polycation-Mediated Introduction of DNA into Human Leukemic Cells: Stimulation by Agents that Affect the Survival of Transfected DNA or Modulate Transferrin Receptor Levels," Proc. Natl. Acad. Sci. USA 87:4033 (1990) (Abstract)
- * Cristiano et al., "Hepatic Gene Therapy: Adenovirus Enhancement of Receptor-Mediated Gene Delivery and Expression in Primary Hepatocytes," Proc. Natl. Acad. Sci. USA 90:2122-2126 (1993)
- * Curiel et al., "Adenovirus Enhancement of Transferrin-Polylysine-Mediated Gene Delivery," Proc. Nat. Acad. Sci. USA 88:8850-8854 (1991)
- * Dropulic et al., "Functional Characterization of a U5 Ribozyme: Intracellular Suppression of Human Immunodeficiency Virus Type I Expression," Journal of Virology 66:1432-1441 (1992)
- * Eck et al., "Inhibition of Phorbol Ester-Induced Cellular Adhesion by Competitive Binding of NF- κ B In Vivo," Mol. Cell. Biol. 13:6530-6536 (1993)

- * Edgington, "Ribozymes: Stop Making Sense," Biotechnology 10:256-262 (1992)
- * Elroy-Stein and Moss, "Cytoplasmic Expression System Based on Constitutive Synthesis of Bacteriophage T7 RNA Polymerase in Mammalian Cells," Proc. Natl. Acad. Sci. USA 87:6743-6747 (1990)
- * Ferguson et al., "Compensation for Treating Wounds to Inhibit Scar Tissue – Contains Agent Esp. Antibody, Which Selectively Neutralises Fibrotic Growth Factors," "WPI Acc# 92-3659974/44
- * Ferns et al., "Inhibition of Neointimal Smooth Muscle Accumulation After Angioplasty by an Antibody to PDGF," Science 253:1129-1132 (1991)
- * Gao and Huang, "Cytoplasmic Expression of a Reporter Gene by Co-Delivery of T7 RNA Polymerase and T7 Promoter Sequence with Cationic Liposomes," Nucleic Acids Research 21:2867-2872 (1993)
- * Garratt et al., "Differential Histopathology of Primary Atherosclerotic and Restenotic Lesions in Coronary Arteries and Saphenous Vein Bypass Grafts: Analysis of Tissue Obtained From 73 Patients by Directional Atherectomy," J. Am. Coll. Cardio. 17:442-448 (1991)
- * Geisler et al., "cactus, a Gene Involved in Dorsoventral Pattern Formation of Drosophila, Is Related to the I κ B Gene Family of Vertebrates," Cell 71:613-621 (1992)
- * Gewirtz et al., "Facilitating oligonucleotide delivery: Helping antisense deliver on its promise," Proc. Natl. Acad. Sci. USA 93:3161-3163 (1996)
- * Ghosh et al., "Cloning of the p50 DNA Binding Subunit of NF- κ B: Homology to *rel* and *dorsal*," Cell 62:1019-1029 (1990)
- * Goldberg et al., "Vascular Smooth Muscle Cell Kinetics: A New Assay for Studying Patterns of Cellular Proliferation *in vivo*," Science 205:920-922 (1979)
- * Griffin and Baylin, "Expression of the *c-myc* Oncogene in Human Small Cell Lung Carcinoma," Cancer Res. 45:272-275 (1985)
- * Grotendorst et al., "Attachment of Smooth Muscle Cells to Collagen and Their Migration Toward Platelet-Derived Growth Factor," Proc. Natl. Acad. Sci. USA 78:3669-3672 (1982)
- * Guerrier-Takada et al., "The RNA Moiety of Ribonuclease P Is the Catalytic Subunit of the Enzyme," Cell 35:849-857 (1983)

- * Hajjar et al., "Tumor Necrosis Factor-Mediated Release of Platelet-Derived Growth Factor From Cultured Endothelial Cells," J. Exp. Med. 166:235-245 (1987)
- * Hampel et al., "'Hairpin' Catalytic RNA Model: Evidence for Helices and Sequence Requirement for Substrate RNA," Nucleic Acids Research 18:299-304 (1990)
- * Herschlag, "Implications of Ribozyme Kinetics for Targeting the Cleavage of Specific RNA Molecules *in vivo*: More Isn't Always Better," Proc. Natl. Acad. Sci. USA 88:6921-6925 (1991)
- * Hertel et al., "Numbering System for the Hammerhead," Nucleic Acids Research 20:3252 (1992)
- * Higashiyama et al., "A Heparin-Binding Growth Factor Secreted by Macrophage-Like Cells That is Related to EGF," Science 251:936-939 (1991)
- * Jeffries and Symons, "A Catalytic 13-mer Ribozyme," Nucleic Acids Research 17:1371-1377 (1989) (also referred to as Jefferies)
- * Johnston and Hoth, "Present Status and Future Prospects for HIV Therapies," Science 260:1286-1293 (1993)
- * Kashani-Sabet et al., "Reversal of the Malignant Phenotype by an Anti-*ras* Ribozyme," Antisense Research & Development 2:3-15 (1992)
- * Kaye et al., "Structure and Expression of the Human L-myc Gene Reveal a Complex Pattern Of Alternative mRNA Processing," Mol. Cell. Biol. 8:186-195 (1988)
- * Kindy and Sonenshein, "Regulation of Oncogene Expression in Cultured Aortic Smooth Muscle Cells," J. Biol. Chem. 261:12865-12868 (1986)
- * Kita et al., "Sequence and expression of rat ICAM-1," Biochem. Biophys. Acta 1131:108-110 (1992)
- * Kitajima et al., "Ablation of Transplanted HTLV-I Tax-Transformed Tumors in Mice by Antisense Inhibition of NF- κ B," Science 258:1792-1795 (1992)
- * Klagsbrun and Edelman, "Biological and Biochemical Properties of Fibroblast Growth Factors," Arteriosclerosis 9:269-278 (1989)

- * Koizumi et al., "Ribozymes Designed to Inhibit Transformation of NIH3T3 Cells by the Activated c-Ha-ras Gene," Gene 117:179-184 (1992)
- * Komuro et al., "Endothelin stimulates c-fos and c-myc expression and proliferation of vascular smooth muscle cells," FEBS Letters 238:249-252 (1988)
- * Kunapuli et al., "Molecular cloning of human angiotensinogen cDNA and evidence for the presence of its mRNA in rat heart - DNA sequence," Circ. Res. 60:786-790 (1987) (ABSTRACT ONLY)
- * Kunsch and Rosen, "NF- κ B Subunit-Specific Regulation of the Interleukin-8 P Promoter," Mol. Cell. Biol. 13:6137-6146 (1993)
- * La Rosa et al., "Differential Regulation of the *c-myc* Oncogene Promoter by the NF- κ B Rel Family of Transcription Factors," Mol. Cell. Biol. 14:1039-1044 (1994)
- * Laurence et al., "Induction of Chronic Human Immunodeficiency Virus Infection Is Blocked In Vitro by a Methylphosphonate Oligodeoxynucleoside Targeted to a U3 Enhancer Element," Journal of Virology 213-219 (1991)
- * Lenardo and Baltimore, "NF- κ B: A Pleiotropic Mediator of Inducible and Tissue Specific Gene Control," Cell 58:227-229 (1989)
- * L'Huillier et al., "Cytoplasmic Delivery of Ribozymes Leads to Efficient Reduction in α -Lactalbumin mRNA Levels in C1271 Mouse," EMBO J. 11:4411-4418 (1992)
- * Lieber et al., "Stable High-Level Gene Expression in Mammalian Cells by T7 Phage RNA Polymerase," Methods Enzymol. 217:47-66 (1993)
- * Lindner and Reidy, "Proliferation of Smooth Muscle Cells After Vascular Injury Is Inhibited by an Antibody Against Basic Fibroblast Growth Factor," Proc. Natl. Acad. Sci. USA 88:3739-3743 (1991)
- * Lisiewicz et al., "Inhibition of Human Immunodeficiency Virus Type 1 Replication by Regulated Expression of a Polymeric Tat Activation Response RNA Decoy as a Strategy for Gene Therapy in AIDS," Proc. Natl. Acad. Sci. U.S.A. 90:8000-8004 (1993)
- * Liu et al., "Specific NF- κ B Subunits Act in Concert with Tat To Stimulate Human Immunodeficiency Virus Type 1 Transcription," J. Virology 66:3883-3887 (1992)

- * Majello et al., "Human *c-myb* Protooncogene: Nucleotide Sequence of cDNA and Organization of the Genomic Locus," Proc. Natl. Acad. Sci. USA 83:9636-9640 (1986)
- * Mamone et al., "Design of Hammerhead Ribozymes Targeted to Sequences in HIV, HSV and the RAT ANF Gene," Abstract of Keystone, CO (May 27, 1992)
- * McGrath et al., "Structure and Organization of the Human Ki-ras Protooncogene And a Related Processed Pseudogene," Nature 304:501-506 (1983)
- * Melani et al., "Inhibition of Proliferation by *c-myb* Antisense Oligodeoxynucleotide in Colon Adenocarcinoma Cell Lines that Express *c-myb*," Cancer Res. 51:2897-2901 (1991)
- * Minvielle et al., "A novel calcitonin carboxyl-terminal peptide produced in medullary thyroid carcinoma by alternative RNA processing of the calcitonin-calcitonin gene-related peptide gene," J. Biol. Chem. 266:24627-25631 (1991) (ABSTRACT ONLY)
- * Nabel et al., "Site-Specific Gene Expression in Vivo by Direct Gene Transfer Into the Arterial Wall," Science 249:1285-1288 (1990)
- * Nabel et al., Recombinant Platelet-Derived Growth Factor B Gene Expression in Porcine Arteries Induces Intimal Hyperplasia In Vivo," J. Clin. Invest. 91:1822-1829 (1993)
- * Narayanan et al., "Evidence for Differential Functions of the p50 and p65 Subunits of NF- κ B with a Cell Adhesion Model," Mol. Cell. Biol. 13:3802-3810 (1993)
- * O'Brien et al., "Vascular Cell Adhesion Molecule-1 is Expressed in Human Coronary Atherosclerotic Plaques," J. Clin. Invest. 92:945-951 (1993)
- * Ohkawa et al., "Activities of HIV-RNA Targeted Ribozymes Transcribed From a 'Shot-Gun' Type Ribozyme-trimming Plasmid," Nucleic Acids Symp. Ser. 27:15-16 (1992)
- * Ohno et al., "Gene Therapy for Vascular Smooth Muscle Cell Proliferation After Arterial Injury," Science 265:781-784 (1994)
- * Ojwang et al., "Inhibition of Human Immunodeficiency Virus Type 1 Expression by a Hairpin Ribozyme," Proc. Natl. Acad. Sci. USA 89:10802-10806 (1992)
- * Pavco et al., "Regulation of Self-Splicing Reactions by Antisense RNA," Abstract of Keystone, CO (May 27, 1992)

- * Perkins et al., "Distinct combinations of NF- κ B subunits determine the specificity of transcriptional activation," Proc. Natl. Acad. Sci. USA 89:1529-1533 (1992)
- * Perreault et al., "Mixed Deoxyribo- and Ribo-Oligonucleotides with Catalytic Activity," Nature 344:565-567 (1990) (often mistakenly listed as Perrault)
- * Perrotta and Been, "Cleavage of Oligoribonucleotides by a Ribozyme Derived from the Hepatitis δ Virus RNA Sequence," Biochemistry 31:16-21 (1992)
- * Pieken et al., "Kinetic Characterization of Ribonuclease-Resistant 2'-Modified Hammerhead Ribozymes," Science 253:314-317 (1991)
- * Popoma et al., "Clinical Trials of Restenosis After Coronary Angioplasty," Circulation 84:1426-1436 (1991)
- * Raines et al., "Interleukin-1 Mitogenic Activity for Fibroblasts and Smooth Muscle Cells Is Due to PDGF-AA," Science 243:393-396 (1989)
- * Raschella et al., "Inhibition of Proliferation by *c-myb* Antisense RNA and Oligodeoxynucleotides in Transformed Neuroectodermal Cell Lines," Cancer Research 52:4221-4226 (1992)
- * Ratajczak et al., "*In Vivo* Treatment of Human Leukemia in a *scid* Mouse Model With *c-myb* Antisense Oligodeoxynucleotides," Proc. Natl. Acad. Sci. USA 89:11823-11827 (1992)
- * Ray and Prefontaine, "Physical association and functional antagonism between the p65 subunit of transcription factor NF- κ B and the glucocorticoid receptor," Proc. Natl. Acad. Sci. USA 91:752-756 (1994)
- * Read et al., "NF- κ B and I κ B α : An Inducible Regulatory System in Endothelial Activation," J. Exp. Med. 179:503-512 (1994)
- * Riessen et al., "Arterial Gene Transfer Using Pure DNA Applied Directly to a Hydrogel-Coated Angioplasty Balloon," Human Gene Therapy 4:749-758 (1993)
- * Roessler et al., "Adenoviral-mediated Gene Transfer to Rabbit Synovium in Vivo," J. Clin. Invest. 92:1085-1092 (1993)
- * Rojanasakul, "Antisense oligonucleotide therapeutics: drug delivery and targeting," Advanced Drug Delivery Reviews 18:115-131 (1996)
- * Ross et al., "A Platelet-Dependent Serum Factor That Stimulates the Proliferation of Arterial Smooth Muscle Cells *In Vitro*," Proc. Natl. Acad. Sci. USA 71:1207-

1210 (1974)

- * Rossi et al., "Ribozymes as Anti-HIV-1 Therapeutic Agents: Principles, Applications, and Problems," Aids Research and Human Retroviruses 8:183-189 (1992)
- * Rossi et al., "Ribozyme-mediated intracellular immunity to HIV-1 in CD4+ Hela Cells - hammerhead RNA; antisense RNA gene cloning and expression in cell culture; potential application in gene therapy; protection against HIV virus-1 infection," J. Cell. Biochem. Supplement 14A:D428 (1990) (ABSTRACT ONLY)
- * Ruben et al., "Isolation of a rel-related human cDNA that potentially encodes the 65-kD subunit of NF, kappa B," Science 251:5000 (1991)
- * Ruben et al., "Isolation of a rel-related human cDNA that potentially encodes the 65-kD subunit of NF, kappa B," Science 251:5028 (1991)
- * Ruben et al., Genes & Development 6:745-760 (1992)
- * Sarver et al., "Catalytic RNAs (Ribozymes): A New Frontier in Biomedical Applications," AIDS Res. Revs. 2:259-285 (1992)
- * Sarver et al., "Ribozymes as Potential Anti-HIV-1 Therapeutic Agents" Science 247:1222-1225 (1990)
- * Saville and Collins, "A Site-Specific Self-Cleavage Reaction Performed by a Novel RNA In Neurospora Mitochondria," Cell 61:685-696 (1990)
- * Saville and Collins, "RNA-Mediated Ligation of Self-Cleavage Products of a *Neurospora* Mitochondrial Plasmid Transcript," Proc. Natl. Acad. Sci. USA 88:8826-8830 (1991)
- * Scanlon et al., "Ribozyme-Mediated Cleavage of c-fos mRNA Reduces Gene Expression of DNA Synthesis Enzymes and Metallothionein," Proc. Natl. Acad. Sci. USA 88:10591-10595 (1991)
- * Scaringe et al., "Chemical synthesis of biologically active oligoribonucleotides using β -cyanoethyl protected ribonucleoside phosphoramidites," Nucl Acids Res. 18:5433-5441 (1990)
- * Schmid et al., "Cloning of an NF- κ B subunit which stimulates HIV transcription in synergy with p65," Nature 352:733-736 (1991)
- * Semba, "A v-erbB-Related Protooncogene, C-erbB-2, Is Distinct From the c-erbB-1/Epidermal Growth Factor-Receptor Gene and Is Amplified in A Human

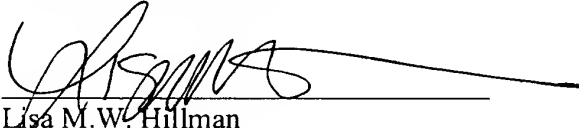
- * Salivary Gland Adenocarcinoma," Proc. Natl. Acad. Sci. USA 82:6497-6501 (1985)
- * Sessa et al., "Molecular Cloning and Expression of a cDNA Encoding Endothelial Cell Nitric Oxide Synthase," J. Biol. Chem., 267:15274-15276 (1992)
- * Seth et al., "Mechanism of Enhancement of DNA Expression Consequent to Cointernalization of a Replication-Deficient Adenovirus and Unmodified Plasmid DNA," J. Virol. 68:933-940 (1994)
- * Shi et al., "Down Regulation of *c-myc* Expression by Antisense Oligonucleotides Inhibits Proliferation of Human Smooth Muscle Cells," Circulation 88:1190-1195 (1993)
- * Shu et al., "Differential Regulation of Vascular Cell Adhesion Molecule 1 Gene Expression by Specific NF- κ B Subunits in Endothelial and Epithelial Cells," Mol. Cell. Biol. 13:6283-6289 (1993)
- * Simmons et al., "ICAM, an adhesion ligand of LFA-1, is homologous to the neural cell adhesion molecule NCAM," Nature 331:624-627 (1988)
- * Simons et al., "Antisense *c-myb* Oligonucleotides Inhibit Intimal Arterial Smooth Muscle Cell Accumulation *in vivo*," Nature 359:67-70 (1992)
- * Simons et al., "Relation Between Activated Smooth Muscle Cells in Coronary-Artery Lesions and Restenosis After Atherectomy," New Engl. J. Med. 328:608-613 (1993)
- * Sioud and Drlica, "Prevention of Human Immunodeficiency Virus Type 1 Integrase Expression in *Escherichia coli* by a Ribozyme," Proc. Natl. Acad. Sci. USA 88:7303-7307 (1991)
- * Sjolund et al., "Arterial Smooth Muscle Cells Express Platelet-Derived Growth Factor (PDGF) A Chain mRNA, Secrete a PDGF-Like Mitogen, and Bind Exogenous PDGF in a Phenotype- and Growth State- Dependent Manner," J. Cell. Biol. 106:403-413 (1988)
- * Slamon et al., "Studies of the Human *c-myb* Gene and Its Products In Human Acute Leukemias," Science 233:347-351 (1986)
- * Slamon et al., "Expression of Cellular Oncogenes in Human Malignancies," Science 224:256-262 (1984)
- * Stull and Szoka, "Antigene, Ribozyme and Aptamer Nucleic Acid Drugs: Progress and Prospects," Pharmaceutical Research 12:465-483 (1995)

- * Taira et al., "Construction of a novel RNA-transcript-trimming plasmid which can be used both *in vitro* in place of run-off and (G)-free transcriptions and *in vivo* as multi-sequences transcription vectors," Nucleic Acids Research 19:5125-5130 (1991)
- * Ten Dijke et al., "Recombinant transforming growth factor type β -3 biological activities and receptor-bonding properties in isolated bone cells," Molecular and Cellular Biology 10:4473-4479 (1990) (ABSTRACT ONLY)
- * Tessler et al., "Basic fibroblast growth factor accumulates in the nuclei of various BFGF-producing cell types," J. Cellular Physiology 145:310-317 (1990) (ABSTRACT ONLY)
- * Thanos et al., "The High Mobility Group Protein HMG I(Y) Is Required for NF- κ B-Dependent Virus Induction of the Human IFN- β Gene," Cell 71:777-789 (1992)
- * Thiele et al., "Regulation of *c-myb* Expression in Human Neuroblastoma Cells During Retinoic Acid-Induced Differentiation," Mol. Cell. Biol. 8:1677-1683 (1988)
- * Torelli et al., "Expression of *c-myb* Protooncogene and Other Cell Cycle-Related Genes in Normal and Neoplastic Human Colonic Mucosa," Cancer Res. 47:5266-5269 (1987)
- * Uhlenbeck, "A Small Catalytic Oligoribonucleotide," Nature 328:596-600 (1987)
- * Usman and Cedergren, "Exploiting the chemical synthesis of RNA," TIBS 17: 334-339 (1992)
- * Usman et al., "Automated Chemical Synthesis of Long Oligoribonucleotides Using 2'-O-Silylated Ribonucleoside 3'-O-Phosphoramidites on a Controlled-Pore Glass Support: Synthesis of a 43-Nucleotide Sequence Similar to the 3'-Half Molecule of an *Escherichia coli* Formylmethionine tRNA," J. Am. Chem. Soc. 109:7845-7854 (1987)
- * van de Stolpe et al., "12-O-Tetradecanoylphorbol- 13-acetate- and Tumor Necrosis Factor α -mediated Induction of Intercellular Adhesion Molecule-1 Is Inhibited by Dexamethasone," J. Biol. Chem. 269:6185-6192 (1994)
- * Ventura et al., "Activation of HIV-Specific Ribozyme Activity by Self-Cleavage," Nucleic Acids Research 21:3249-3255 (1993)
- * Weerasinghe et al., "Resistance to Human Immunodeficiency Virus Type 1 (HIV-


- 1) Infection in Human CD4⁺ Lymphocyte-Derived Cell Lines Conferred by Using Retroviral Vectors Expressing an HIV-1 RNA-Specific Ribozyme," Journal of Virology 65:5531-5534 (1994)
- * Weiser et al., "The Growth-related Transcription Factor OCT-1 is Expressed as a Function of Vascular Smooth Muscle Cell Modulation," Journal of Virology S18A:282 (1994)
 - * Westin et al., "Alternative Splicing of the Human *c-myb* Gene," Oncogene 5:1117-1124 (1990)
 - * Willard et al., "Recombinant Adenovirus in an Efficient Vector for *In Vivo* Gene Transfer and can be Preferentially Directed at Vascular Endothelium or Smooth Muscle Cells," Circulation - Abstracts from the 6th Scientific Sessions, New Orleans Convention Center, New Orleans, Louisiana, November 16-19, 1992 86:I-473 at 1880
 - * Yu et al., "A Hairpin Ribozyme Inhibits Expression of Diverse Strains of Human Immunodeficiency Virus Type 1," Proc. Natl. Acad. Sci. USA 90:6340-6344 (1993)
 - * Zaia et al., "Status of ribozyme and antisense-based developmental approaches for anti-HIV-1 therapy", Annals N.Y. Acad. Sci., 660:95-106
 - * Zenke et al., "Receptor-mediated Endocytosis of Transferrin-Polycation Conjugates: An Efficient Way to Introduce DNA into Hematopoietic Cells," Proc. Natl. Acad. Sci. USA 87:3655 (1990) (Abstract)
 - * Zhou et al., "Synthesis of Functional mRNA in Mammalian Cells by Bacteriophage T3 RNA Polymerase," Mol. Cell. Biol. 10:4529-4537 (1990)

Respectfully submitted,

Date: June 17, 2002



Lisa M.W. Hillman
Reg. No. 43,673

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No.	Serial No.
		MBHB 00-812-F (400/043)	10/056,414
		Applicant:	
		Stinchcomb, et al.	
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Filing Date:	Group:
		January 23, 2002	1635

RECEIVED
JUN 27 2002
TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	*	5,168,053	08/17/90	Altman			
	*	4,987,071	01/22/91	Cech et al.			
	*	5,496,598	03/05/96	Draper			
	*	5,525,468	06/11/96	McSwiggen			
	*	5,328,470	07/26/91	Nabel et al.			
	*	5,213,580	05/25/93	Slepian			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	*	WO 92/20348 (Calabretta et al.)	11/26/92	PCT				
	*	WO 93/23569 (Draper et al.)	11/25/93	PCT				
	*	WO 99/16871 (Eckstein et al.)	04/08/99	PCT				
	*	WO 91/15580 (Fung et al.)	10/17/91	PCT				
	*	WO 93/09789 (Gewirtz)	05/27/93	PCT				
	*	WO 92/00080 (Reddy)	01/09/92	PCT				
	*	WO 93/08845 (Rosenberg)	05/13/93	PCT				
	*	WO 91/03162 (Rossi et al.)	03/21/91	PCT				
	*	WO 91/18913 (Scanlon)	12/12/91	PCT				

EXAMINER	DATE CONSIDERED
-----------------	------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation not in conformance and not considered. Include copy of this form with next communication.

COPY OF PAPERS
ORIGINALLY FILED

Sheet 2 of 13

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. MBHB 00-812-F (400/043)	Serial No. 10/056,414
<div data-bbox="110 352 337 577" data-label="Image"> </div> <div data-bbox="381 346 738 409" data-label="Section-Header"> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> </div> <div data-bbox="373 415 747 451" data-label="Text"> <p>(Use several sheets if necessary)</p> </div> <div data-bbox="706 451 982 514" data-label="Text"> <p>RECEIVED</p> </div> <div data-bbox="755 525 950 577" data-label="Text"> <p>JUN 27 2002</p> </div> <div data-bbox="690 598 1006 661" data-label="Text"> <p>TECH CENTER 1-800-2900</p> </div>		Applicant: Stinchcomb, et al.	
		Filing Date: January 23, 2002	Group: 1635

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	N
	WO 91/18624 (Scanlon)	12/12/91	PCT				
	WO 91/18625 (Scanlon)	12/12/91	PCT				
	WO 92/11298 (Sproat)		PCT				
	WO 94/02595 (Sullivan et al.)	02/03/94	PCT				
	WO 93/02654 (Sytkowski)	02/18/93	PCT				
	WO 93/15187 (Usman et al.)	08/05/93	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	*	Akhtar and Juliano, "Cellular Uptake and Intracellular Fate of AntiSense Oligonucleotides, " <i>Trend Cell Biol.</i> 2:139-144 (1992)
	*	Alitalo et al., "Aberrant Expression of An Amplified <i>c-myc</i> Oncogene in two cell lines from a colon carcinoma," <i>Proc. Natl. Acad. Sci. USA</i> 81:4534-4538 (1984)
	*	Anfossi et al., "An oligomer complementary to <i>c-myc</i> -encoded mRNA inhibits proliferation of human myeloid leukemia cell lines," <i>Proc. Natl. Acad. Sci. USA</i> 86:3379-3383 (1989)
	*	Austin et al., "Intimal Proliferation of Smooth Muscle Cells as an Explanation for Recurrent Coronary Artery Stenosis After Percutaneous Transluminal Coronary Angioplasty," <i>J. Am. Coll. Cardiol.</i> 6:369-375 (1985)
	*	Ballantyne et al., "Nucleotide Sequence of the cDNA for murine intercellular adhesion molecule-1 (ICAM-1)," <i>Nucleic Acids Research</i> 17:5853 (1989)
	*	Banskota et al., "Insulin, Insulin-Like Growth Factor I and Platelet-Derived Growth Factor Interact Additively in the Induction of the Protooncogene <i>c-myc</i> and Cellular Proliferation in Cultured Bovine Aortic Smooth Muscle Cells," <i>Molec. Endocrinol.</i> 3:1183-1190 (1989)

EXAMINER	DATE CONSIDERED
-----------------	------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through ci conformance and not considered. Include copy of this form with next communication.

**COPY OF PAPERS
ORIGINALLY FILED**

Sheet 3 of 13

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. MBHB 00-812-F (400/043)	Serial No. 10/056,414
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant: Stinchcomb, et al.	
<div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> O I P E JUN 2 6 2002 PATENT & TRADEMARK OFFICE </div> </div> <div style="margin-top: 20px;"> <div style="font-size: 2em; font-weight: bold; letter-spacing: 0.5em;">RECEIVED</div> <div style="font-size: 1.2em;">JUN 27 2002</div> <div style="font-size: 1.2em; margin-top: 5px;">TECH CENTER 1600 2900</div> </div>		Filing Date: January 23, 2002	Group: 1635

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

*		Barinaga, "Ribozymes: Killing the Messenger," <u>Science</u> 262:1512-1514 (1993)
*		Belknap et al., "Modulation-Induced Expression of Serum Response Factor in Vascular Smooth Muscle Cells," <u>J. Cell Biochem.</u> S18A:277 at E200 (1994)
*		Bennett et al., "Cationic Lipids Enhance Cellular Uptake and Activity of Phosphorothioate Antisense Oligonucleotides," <u>Mol. Pharmacology</u> 41:1023-1033 (1992)
*		Biotech Abstracts Act. #91-00050 EP 388758 (9/26/90)
*		Biro et al., "Inhibitory Effects of Antisense Oligodeoxynucleotides targeting <i>c-myc</i> mRNA on smooth muscle cell proliferation and migration," <u>Proc. Natl. Acad. Sci. USA</u> 90:654-658 (1993)
*		Blam et al., "Addition of Growth Hormone Secretion Signal to basic Fibroblast Growth Factors Results in Cell Transformation and Secretion of Aberrant Forms of the Protein," <u>Oncogene</u> 3:129-136 (1988)
*		Bours et al., "A Novel Mitogen-Inducible Gene Product Related to p50/p105-NF- κ B Participates in Transactivation through a κ B Site," <u>Molecular and Cellular Biology</u> 12:685-695 (1992)
*		Brown et al., "Expression of the <i>c-myb</i> Proto-oncogene in Bovine Vascular Smooth Muscle Cells," <u>J. Biol. Chem.</u> 267:4625-4630 (1992)
*		Bywater et al., "Expression of recombinant platelet-derived growth factor A-chain and B-chain homodimers in Rat-1 cells and human fibroblasts reveals differences in protein processing and autocrine effects," <u>Molecular And Cellular Biology</u> 8:2753-2762 (1988) (ABSTRACT ONLY)
*		Calabretta et al., "Normal and Leukemic Hematopoietic Cells Manifest Differential Sensitivity to Inhibitory Effects of <i>c-myb</i> Antisense Oligodeoxynucleotides: An <i>in vitro</i> study relevant to bone marrow purging," <u>Proc. Natl. Acad. Sci. USA</u> 88:2351-2355 (1991)
*		Califf et al., "Restenosis: The Clinical Issues," in <u>Textbook of Interventional Cardiology</u> , E.J. Topol, ed., W. B. Saunders, Philadelphia, pp 363-394 (1990)
*		Cameron and Jennings, "Specific Gene Expression by Engineered Ribozymes in Monkey Cells," <u>Proc. Natl. Acad. Sci. USA</u> 86:9139-9143 (1989)
*		Cech, "Ribozymes and Their Medical Implications," <u>JAMA</u> 260:3030-3034 (1988)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through ci conformance and not considered. Include copy of this form with next communication.

**COPY OF PAPERS
ORIGINALLY FILED**

Sheet 4 of 13

FORM PTO-1449 (Rev. 2-32) 	<p align="center">U.S. Department of Commerce Patent and Trademark Office</p> <p align="center">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p align="center">(Use several sheets if necessary)</p> <p align="center">RECEIVED</p> <p align="center">JUN 27 2002</p> <p align="center">TECH CENTER 1600:2900</p>	Atty. Docket No. MBHB 00-812-F (400/043)	Serial No. 10/056,414
		Applicant: Stinchcomb, et al.	
		Filing Date: January 23, 2002	Group: 1635

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	*	Chen et al., "Multitarget-Ribozyme Directed to Cleave at up to Nine Highly Conserved HIV-1 env RNA Regions Inhibits HIV-1 Replication-Potential Effectiveness Against Most Presently Sequenced HIV-1 Isolates," <u>Nucleic Acid Research</u> 20:4581-4589 (1992).
	*	Chowrira and Burke, "Extensive Phosphorothioate Substitution Yields Highly Active and Nuclease- Resistant Hairpi Ribozymes," <u>Nucleic Acids Research</u> 20:2835-2840 (1992).
	*	Chuat and Galibert, "Can Ribozymes be Used to Regulate Procaryote Gene Expression?" <u>Biochemical and Biophysical Research Communications</u> 162:1025-1029 (1989)
	*	Cleary et al., "Cloning and Structural Analysis of cDNAs For bcl-2 and a Hybrid bcl-2/Immunoglobulin Transcript Resulting from the t(14;18) Translocation," <u>Cell</u> 47:19-28 (1986)
	*	Clowes et al., "Kinetics of Cellular Proliferation After Arterial Injury," <u>Lab Invest.</u> 49:327-333 (1983)
	*	Collins and Olive, "Reaction Conditions and Kinetics of Self-Cleavage of a Ribozyme Derived From Neurospora VS RNA," <u>Biochemistry</u> 32:2795-2799 (1993).
	*	Cotten, "The in vivo application of ribozymes," <u>TIBTECH</u> 8:174-178 (1990)
	*	Cotten et al., "Chicken Adenovirus (CELO Virus) Particles Augment Receptor-Mediated DNA Delivery to Mammalian Cells and Yield Exceptional Levels of Stable Transformants," <u>J. Virol.</u> 67:3777-3785 (1993)
	*	Cotten et al., "High-Efficiency Receptor-Mediated Delivery of Small and Large (48 Kilobase Gene Constructs Using the Endosome-Disruption Activity of Defective or Chemically Inactivated Adenovirus Particles," <u>Proc. Natl. Acad. Sci. USA</u> 89:6094-6098 (1992)
	*	Cotten et al., "Transferrin-Polycation-Mediated Introduction of DNA into Human Leukemic Cells: Stimulation by Agents that Affect the Survival of Transfected DNA or Modulate Transferrin Receptor Levels," <u>Proc. Natl. Acad. Sci. USA</u> 87:4033 (1990) (Abstract)
	*	Cristiano et al., "Hepatic Gene Therapy: Adenovirus Enhancement of Receptor-Mediated Gene Delivery and Expression in Primary Hepatocytes," <u>Proc. Natl. Acad. Sci. USA</u> 90:2122-2126 (1993)
	*	Curiel et al., "Adenovirus Enhancement of Transferrin-Polylysine-Mediated Gene Delivery," <u>Proc. Nat. Acad. Sci. USA</u> 88:8850-8854 (1991)

EXAMINER	DATE CONSIDERED
-----------------	------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through ci conformance and not considered. Include copy of this form with next communication.

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. MBHB 00-812-F (400/043)	Serial No. 10/056,414
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) <div style="text-align: center;"> RECEIVED JUN 27 2002 TECH CENTER 1600 2901 </div>	Applicant: Stinchcomb, et al.	
		Filing Date: January 23, 2002	Group: 1635

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	*	Dropulic et al., "Functional Characterization of a U5 Ribozyme: Intracellular Suppression of Human Immunodeficiency Virus Type I Expression," <i>Journal of Virology</i> 66:1432-1441 (1992).
	*	Eck et al., "Inhibition of Phorbol Ester-Induced Cellular Adhesion by Competitive Binding of NF- κ B In Vivo," <i>Mol. Cell Biol.</i> 13:6530-6536 (1993)
	*	Edgington, "Ribozymes: Stop Making Sense," <i>Biotechnology</i> 10:256-262 (1992)
	*	Elroy-Stein and Moss, "Cytoplasmic Expression System Based on Constitutive Synthesis of Bacteriophage T7 RNA Polymerase in Mammalian Cells," <i>Proc. Natl. Acad. Sci. USA</i> 87:6743-6747 (1990).
	*	Ferguson et al., "Compensation for Treating Wounds to Inhibit Scar Tissue - Contains Agent Esp. Antibody, Which Selectively Neutralises Fibrotic Growth Factors," WPI Acc# 92-3659974/44
	*	Ferns et al., "Inhibition of Neointimal Smooth Muscle Accumulation After Angioplasty by an Antibody to PDGF," <i>Science</i> 253:1129-1132 (1991)
	*	Gao and Huang, "Cytoplasmic Expression of a Reporter Gene by Co-Delivery of T7 RNA Polymerase and T7 Promoter Sequence with Cationic Liposome," <i>Nucleic Acids Research</i> 21:2867-2872 (1993).
	*	Garratt et al., "Differential Histopathology of Primary Atherosclerotic and Restenotic Lesions in Coronary Arteries and Saphenous Vein Bypass Grafts: Analysis of Tissue Obtained From 73 Patients by Directional Atherectomy," <i>L. Am. Coll. Cardio.</i> 17:442-448 (1991)
	*	Geisler et al., "cactus, a Gene Involved in Dorsoventral Pattern Formation of Drosophila, Is Related to the I κ B Gene Family of Vertebrates," <i>Cell</i> 71:613-621 (1992)
	*	Gewirtz et al., "Facilitating oligonucleotide delivery: Helping antisense deliver on its promise," <i>Proc. Natl. Acad. Sci. USA</i> 93:3161-3163 (1996)
	*	Ghosh et al., "Cloning of the p50 DNA Binding Subunit of NF- κ B: Homology to <i>rel</i> and <i>dorsal</i> ," <i>Cell</i> 62:1019-1029 (1990)
	*	Goldberg et al., "Vascular Smooth Muscle Cell Kinetics: A New Assay for Studying Patterns of Cellular Proliferation <i>in vivo</i> ," <i>Science</i> 205:920-922 (1979)

EXAMINER	DATE CONSIDERED
-----------------	------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through ci conformance and not considered. Include copy of this form with next communication.

**COPY OF PAPERS
ORIGINALLY FILED**

Sheet 6 of 13

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. MBHB 00-812-F (400/043)	Serial No. 10/056,414
		Applicant: Stinchcomb, et al.	
		Filing Date: January 23, 2002	Group: 1635



**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

RECEIVED

JUN 27 2002

TECH CENTER 1600:2900

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

*	Griffin and Baylin, "Expression of the <i>c-myc</i> Oncogene in Human Small Cell Lung Carcinoma," <i>Cancer Res.</i> 45:272-275 (1985)
*	Grotendorst et al., "Attachment of Smooth Muscle Cells to Collagen and Their Migration Toward Platelet-Derived Growth Factor," <i>Proc. Natl. Acad. Sci. USA</i> 78:3669-3672 (1982)
*	Guerrier-Takada et al., "The RNA Moiety of Ribonuclease P Is the Catalytic Subunit of the Enzyme," <i>Cell</i> 35:849-857 (1983).
*	Hajjar et al., "Tumor Necrosis Factor-Mediated Release of Platelet-Derived Growth Factor From Cultured Endothelial Cells," <i>J. Exp. Med.</i> 166:235-245 (1987)
*	Hampel et al., "'Hairpin' Catalytic RNA Model: Evidence for Helices and Sequence Requirement for Substrate RNA," <i>Nucleic Acids Research</i> 18:299-304 (1990).
*	Herschlag, "Implications of Ribozyme Kinetics for Targeting the Cleavage of Specific RNA Molecules <i>in vivo</i> : Mor Isn't Always Better," <i>Proc. Natl. Acad. Sci. USA</i> 88:6921-6925 (1991)
*	Hertel et al., "Numbering System for the Hammerhead," <i>Nucleic Acids Research</i> 20:3252 (1992).
*	Higashiyama et al., "A Heparin-Binding Growth Factor Secreted by Macrophage-Like Cells That is Related to EGF," <i>Science</i> 251:936-939 (1991)
*	Jeffries and Symons, "A Catalytic 13-mer Ribozyme," <i>Nucleic Acids Research</i> 17:1371-1377 (1989) (also referred to as Jeffries).
*	Johnston and Hoth, "Present Status and Future Prospects for HIV Therapies," <i>Science</i> 260:1286-1293 (1993)
*	Kashani-Sabet et al., "Reversal of the Malignant Phenotype by an Anti-ras Ribozyme," <i>Antisense Research & Development</i> 2:3-15 (1992).
*	Kaye et al., "Structure and Expression of the Human L-myc Gene Reveal a Complex Pattern Of Alternative mRNA Processing," <i>Mol. Cell. Biol.</i> 8:186-195 (1988)
*	Kindy and Sonenshein, "Regulation of Oncogene Expression in Cultured Aortic Smooth Muscle Cells," <i>J. Biol. Chem.</i> 261:12865-12868 (1986)

EXAMINER	DATE CONSIDERED
-----------------	------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not considered. Include copy of this form with next communication.

COPY OF PAPERS
ORIGINALLY FILE

Sheet 7 of 13

<p>FORM PTO-1449 (Rev. 2-32)</p> <p>U.S. Department of Commerce Patent and Trademark Office</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p> <p>RECEIVED</p> <p>JUN 27 2002</p> <p>TECH CENTER 1600/2900</p>	<p>Atty. Docket No.</p> <p>MBHB 00-812-F (400/043)</p> <p>Applicant:</p> <p>Stinchcomb, et al.</p> <p>Filing Date:</p> <p>January 23, 2002</p>	<p>Serial No.</p> <p>10/056,414</p> <p>Group:</p> <p>1635</p>
--	---	---

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).


*	Kita et al., "Sequence and expression of rat ICAM-1," <i>Biochem. Biophys. Acta</i> 1131:108-110 (1992)
*	Kitajima et al., "Ablation of Transplanted HTLV-I Tax-Transformed Tumors in Mice by Antisense Inhibition of NF- κ B," <i>Science</i> 258:1792-1795 (1992)
*	Klagsbrun and Edelman, "Biological and Biochemical Properties of Fibroblast Growth Factors," <i>Arteriosclerosis</i> 9:269-278 (1989)
*	Koizumi et al., "Ribozymes Designed to Inhibit Transformation of NIH3T3 Cells by the Activated c-Ha-ras Gene," <i>Gene</i> 117:179-184 (1992)
*	Komuro et al., "Endothelin stimulates c-fos and c-myc expression and proliferation of vascular smooth muscle cells," <i>FEBS Letters</i> 238:249-252 (1988)
*	Kunapuli et al., "Molecular cloning of human angiotensinogen cDNA and evidence for the presence of its mRNA in rat heart - DNA sequence," <i>Circ. Res.</i> 60:786-790 (1987) (ABSTRACT ONLY)
*	Kunsch and Rosen, "NF- κ B Subunit-Specific Regulation of the Interleukin-8 Promoter," <i>Mol. Cell Biol.</i> 13:6137-6146 (1993)
*	La Rosa et al., "Differential Regulation of the c-myc Oncogene Promoter by the NF- κ B Rel Family of Transcription Factors," <i>Mol. Cell Biol.</i> 14:1039-1044 (1994)
*	Laurence et al., "Induction of Chronic Human Immunodeficiency Virus Infection Is Blocked In Vitro by a Methylphosphonate Oligodeoxynucleoside Targeted to a U3 Enhancer Element," <i>Journal of Virology</i> 213-219 (1991)
*	Lenardo and Baltimore, "NF- κ B: A Pleiotropic Mediator of Inducible and Tissue Specific Gene Control," <i>Cell</i> 58:227-229 (1989)
*	L'Huillier et al., "Cytoplasmic Delivery of Ribozymes Leads to Efficient Reduction in α -Lactalbumin mRNA Levels in C1271 Mouse," <i>EMBO J.</i> 11:4411-4418 (1992).
*	Lieber et al., "Stable High-Level Gene Expression in Mammalian Cells by T7 Phage RNA Polymerase," <i>Methods Enzymol.</i> 217:47-66 (1993).
*	Lindner and Reidy, "Proliferation of Smooth Muscle Cells After Vascular Injury Is Inhibited by an Antibody Against Basic Fibroblast Growth Factor," <i>Proc. Natl. Acad. Sci. USA</i> 88:3739-3743 (1991)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through ci conformance and not considered. Include copy of this form with next communication.

**COPY OF PAPERS
ORIGINALLY FILED**

Sheet 8 of 13

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. MBHB 00-812-F (400/043)	Serial No. 10/056,414
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED JUN 27 2002 TECH CENTER 1600-2900 </div>	
		Applicant: Stinchcomb, et al.	
		Filing Date: January 23, 2002	Group: 1635

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).


	*	Lisiewicz et al., "Inhibition of Human Immunodeficiency Virus Type 1 Replication by Regulated Expression of a Polymeric Tat Activation Response RNA Decoy as a Strategy for Gene Therapy in AIDS," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 90:8000-8004 (1993).
	*	Liu et al., "Specific NF- κ B Subunits Act in Concert with Tat To Stimulate Human Immunodeficiency Virus Type 1 Transcription," <i>J. Virology</i> 66:3883-3887 (1992)
	*	Majello et al., "Human <i>c-myb</i> Protooncogene: Nucleotide Sequence of cDNA and Organization of the Genomic Locus," <i>Proc. Natl. Acad. Sci. USA</i> 83:9636-9640 (1986)
	*	Mamone et al., "Design of Hammerhead Ribozymes Targeted to Sequences in HIV, HSV and the RAT ANF Gene," Abstract of Keystone, CO (May 27, 1992)
	*	McGrath et al., "Structure and Organization of the Human Ki-ras Protooncogene And a Related Processed Pseudogene," <i>Nature</i> 304:501-506 (1983)
	*	Melani et al., "Inhibition of Proliferation by <i>c-myb</i> Antisense Oligodeoxynucleotide in Colon Adenocarcinoma Cell Lines that Express <i>c-myb</i> ," <i>Cancer Res.</i> 51:2897-2901 (1991)
	*	Minvielle et al., "A novel calcitonin carboxyl-terminal peptide produced in medullary thyroid carcinoma by alternative RNA processing of the calcitonin-calcitonin gene-related peptide gene," <i>J. Biol. Chem.</i> 266:24627-25631 (1991) (ABSTRACT ONLY)
	*	Nabel et al., "Site-Specific Gene Expression in Vivo by Direct Gene Transfer Into the Arterial Wall," <i>Science</i> 249:1285-1288 (1990)
	*	Nabel et al., Recombinant Platelet-Derived Growth Factor B Gene Expression in Porcine Arteries Induces Intimal Hyperplasia In Vivo," <i>J. Clin. Invest.</i> 91:1822-1829 (1993)
	*	Narayanan et al., "Evidence for Differential Functions of the p50 and p65 Subunits of NF- κ B with a Cell Adhesion Model," <i>Mol. Cell. Biol.</i> 13:3802-3810 (1993)
	*	O'Brien et al., "Vascular Cell Adhesion Molecule-1 is Expressed in Human Coronary Atherosclerotic Plaques," <i>J. Clin. Invest.</i> 92:945-951 (1993)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through ci conformance and not considered. Include copy of this form with next communication.

**COPY OF PAPERS
ORIGINALLY FILED**

Sheet 9 of 13


FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. MBHB 00-812-F (400/043)	Serial No. 10/056,414
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		<div style="font-size: 2em; font-weight: bold; opacity: 0.5;">RECEIVED</div> <div style="font-size: 1.2em;">JUN 27 2002</div> <div style="font-size: 1.2em;">TECH CENTER 1600:2900</div>	
		Applicant: Stinchcomb, et al.	
		Filing Date: January 23, 2002	Group: 1635

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

*		Ohkawa et al., "Activities of HIV-RNA Targeted Ribozymes Transcribed From a 'Shot-Gun' Type Ribozyme-trimming Plasmid," Nucleic Acids Symp. Ser. 27:15-16 (1992).
*		Ohno et al., "Gene Therapy for Vascular Smooth Muscle Cell Proliferation After Arterial Injury," <u>Science</u> 265:781-784 (1994)
*		Ojwang et al., "Inhibition of Human Immunodeficiency Virus Type 1 Expression by a Hairpin Ribozyme," <u>Proc. Nat Acad. Sci. USA</u> 89:10802-10806 (1992).
*		Pavco et al., "Regulation of Self-Splicing Reactions by Antisense RNA," Abstract of Keystone, CO (May 27, 1992)
*		Perkins et al., "Distinct combinations of NF- κ B subunits determine the specificity of transcriptional activation," <u>Proc. Natl. Acad. Sci. USA</u> 89:1529-1533 (1992)
*		Perreault et al., "Mixed Deoxyribo- and Ribo-Oligonucleotides with Catalytic Activity," <u>Nature</u> 344:565-567 (1990) (often mistakenly listed as Perrault).
*		Perrotta and Been, "Cleavage of Oligoribonucleotides by a Ribozyme Derived from the Hepatitis δ Virus RNA Sequence," <u>Biochemistry</u> 31:16-21 (1992).
*		Pieken et al., "Kinetic Characterization of Ribonuclease-Resistant 2'-Modified Hammerhead Ribozymes," <u>Science</u> 253:314-317 (1991).
*		Popoma et al., "Clinical Trials of Restenosis After Coronary Angioplasty," <u>Circulation</u> 84:1426-1436 (1991)
*		Raines et al., "Interleukin-1 Mitogenic Activity for Fibroblasts and Smooth Muscle Cells Is Due to PDGF-AA," <u>Science</u> 243:393-396 (1989)
*		Raschella et al., "Inhibition of Proliferation by <i>c-myb</i> Antisense RNA and Oligodeoxynucleotides in Transformed Neuroectodermal Cell Lines," <u>Cancer Research</u> 52:4221-4226 (1992)
*		Ratajczak et al., " <i>In Vivo</i> Treatment of Human Leukemia in a <i>scid</i> Mouse Model With <i>c-myb</i> Antisense Oligodeoxynucleotides," <u>Proc. Natl. Acad. Sci. USA</u> 89:11823-11827 (1992)
*		Ray and Prefontaine, "Physical association and functional antagonism between the p65 subunit of transcription factor NF- κ B and the glucocorticoid receptor," <u>Proc. Natl. Acad. Sci. USA</u> 91:752-756 (1994)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not considered. Include copy of this form with next communication.

FORM PTO-1449 (Rev. 2-32) 	U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. MBHB 00-812-F (400/043)	Serial No. 10/056,414
RECEIVED JUN 27 2002 TECH CENTER 1600:2900		Applicant: Stinchcomb, et al.	
		Filing Date: January 23, 2002	Group: 1635

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	*	Read et al., "NF- κ B and I κ B α : An Inducible Regulatory System in Endothelial Activation," <i>J. Exp. Med.</i> 179:503-512 (1994)
	*	Riessen et al., "Arterial Gene Transfer Using Pure DNA Applied Directly to a Hydrogel-Coated Angioplasty Balloon," <i>Human Gene Therapy</i> 4:749-758 (1993)
	*	Roessler et al., "Adenoviral-mediated Gene Transfer to Rabbit Synovium in Vivo," <i>J. Clin. Invest.</i> 92:1085-1092 (1993)
	*	Rojanasakul, "Antisense oligonucleotide therapeutics: drug delivery and targeting," <i>Advanced Drug Delivery Reviews</i> 18:115-131 (1996)
	*	Ross et al., "A Platelet-Dependent Serum Factor That Stimulates the Proliferation of Arterial Smooth Muscle Cells <i>In Vitro</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 71:1207-1210 (1974)
	*	Rossi et al., "Ribozymes as Anti-HIV-1 Therapeutic Agents: Principles, Applications, and Problems," <i>Aids Research and Human Retroviruses</i> 8:183-189 (1992).
	*	Rossi et al., "Ribozyme-mediated intracellular immunity to HIV-1 in CD4+ Hela Cells - hammerhead RNA; antisense RNA gene cloning and expression in cell culture; potential application in gene therapy; protection against HIV virus-1 infection," <i>J. Cell. Biochem. Supplement</i> 14A:D428 (1990) (ABSTRACT ONLY)
	*	Ruben et al., "Isolation of a rel-related human cDNA that potentially encodes the 65-kD subunit of NF, kappa B," <i>Science</i> 251:5000 (1991)
	*	Ruben et al., "Isolation of a rel-related human cDNA that potentially encodes the 65-kD subunit of NF, kappa B," <i>Science</i> 251:5028 (1991)
	*	Ruben et al., <i>Genes & Development</i> 6:745-760 (1992)
	*	Sarver et al., "Catalytic RNAs (Ribozymes): A New Frontier in Biomedical Applications," <i>AIDS Res. Revs.</i> 2:259-285 (1992)
	*	Sarver et al., "Ribozymes as Potential Anti-HIV-1 Therapeutic Agents" <i>Science</i> 247:1222-1225 (1990).
	*	Saville and Collins, "A Site-Specific Self-Cleavage Reaction Performed by a Novel RNA In Neurospora Mitochondria," <i>Cell</i> 61:685-696 (1990).

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through ci conformance and not considered. Include copy of this form with next communication.

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No.	Serial No.
		MBHB 00-812-F (400/043)	10/056,414
		Applicant: Stinchcomb, et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Filing Date:	Group:
		January 23, 2002	1635

DIPE JC104
JUN 26 2002
PATENT & TRADEMARK OFFICE


RECEIVED
JUN 27 2002
TECH CENTER 1600/2900

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

*	Saville and Collins, "RNA-Mediated Ligation of Self-Cleavage Products of a Neurospora Mitochondrial Plasmid Transcript," <i>Proc. Natl. Acad. Sci. USA</i> 88:8826-8830 (1991).
*	Scanlon et al., "Ribozyme-Mediated Cleavage of c-fos mRNA Reduces Gene Expression of DNA Synthesis Enzyme and Metallothionein," <i>Proc. Natl. Acad. Sci. USA</i> 88:10591-10595 (1991).
*	Scaringe et al., "Chemical synthesis of biologically active oligoribonucleotides using β -cyanoethyl protected ribonucleoside phosphoramidites," <i>Nucl Acids Res.</i> 18:5433-5441 (1990).
*	Schmid et al., "Cloning of an NF- κ B subunit which stimulates HIV transcription in synergy with p65," <i>Nature</i> 352:733-736 (1991)
*	Semba, "A v-erbB-Related Protooncogene, C-erbB-2, Is Distinct From the c-erbB-1/Epidermal Growth Factor-Receptor Gene and Is Amplified in A Human Salivary Gland Adenocarcinoma," <i>Proc. Natl. Acad. Sci. USA</i> 82:6497-6501 (1985)
*	Sessa et al., "Molecular Cloning and Expression of a cDNA Encoding Endothelial Cell Nitric Oxide Synthase," <i>J. Biol. Chem.</i> 267:15274-15276 (1992)
*	Seth et al., "Mechanism of Enhancement of DNA Expression Consequent to Cointernalization of a Replication-Deficient Adenovirus and Unmodified Plasmid DNA," <i>J. Virol.</i> 68:933-940 (1994)
*	Shi et al., "Down Regulation of c-myc Expression by Antisense Oligonucleotides Inhibits Proliferation of Human Smooth Muscle Cells," <i>Circulation</i> 88:1190-1195 (1993)
*	Shu et al., "Differential Regulation of Vascular Cell Adhesion Molecule 1 Gene Expression by Specific NF- κ B Subunits in Endothelial and Epithelial Cells," <i>Mol. Cell. Biol.</i> 13:6283-6289 (1993)
*	Simmons et al., "ICAM, an adhesion ligand of LFA-1, is homologous to the neural cell adhesion molecule NCAM," <i>Nature</i> 331:624-627 (1988)
*	Simons et al., "Antisense c-myc Oligonucleotides Inhibit Intimal Arterial Smooth Muscle Cell Accumulation <i>in vivo</i> ," <i>Nature</i> 359:67-70 (1992)
*	Simons et al., "Relation Between Activated Smooth Muscle Cells in Coronary-Artery Lesions and Restenosis After Atherectomy," <i>New Engl. J. Med.</i> 328:608-613 (1993)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through ci conformance and not considered. Include copy of this form with next communication.

FORM PTO-1449 (Rev. 2-32)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. MBHB 00-812-F (400/043)	Serial No. 10/056,414
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant: Stinchcomb, et al.	
RECEIVED JUN 27 2002 TECH CENTER 1600-2900				Filing Date: January 23, 2002	Group: 1635

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

*	Sioud and Drlica, "Prevention of Human Immunodeficiency Virus Type 1 Integrase Expression in <i>Escherichia coli</i> b a Ribozyme," <i>Proc. Natl. Acad. Sci. USA</i> 88:7303-7307 (1991)
*	Sjolund et al., "Arterial Smooth Muscle Cells Express Platelet-Derived Growth Factor (PDGF) A Chain mRNA, Secrete a PDGF-Like Mitogen, and Bind Exogenous PDGF in a Phenotype- and Growth State- Dependent Manner," <i>J. Cell Biol.</i> 106:403-413 (1988)
*	Slamon et al., "Studies of the Human <i>c-myb</i> Gene and Its Products In Human Acute Leukemias," <i>Science</i> 233:347-351 (1986)
*	Slamon et al., "Expression of Cellular Oncogenes in Human Malignancies," <i>Science</i> 224:256-262 (1984)
*	Stull and Szoka, "Antigene, Ribozyme and Aptamer Nucleic Acid Drugs: Progress and Prospects," <i>Pharmaceutical Research</i> 12:465-483 (1995)
*	Taira et al., "Construction of a novel RNA-transcript-trimming plasmid which can be used both in vitro in place of run-off and (G)-free transcriptions and in vivo as multi-sequences transcription vectors," <i>Nucleic Acids Research</i> 19:5125-5130 (1991).
*	Ten Dijke et al., "Recombinant transforming growth factor type β -3 biological activities and receptor-bonding properties in isolated bone cells," <i>Molecular and Cellular Biology</i> 10:4473-4479 (1990) (ABSTRACT ONLY)
*	Tessler et al., "Basic fibroblast growth factor accumulates in the nuclei of various BFGF-producing cell types," <i>J. Cellular Physiology</i> 145:310-317 (1990) (ABSTRACT ONLY)
*	Thanos et al., "The High Mobility Group Protein HMG I(Y) Is Required for NF- κ B-Dependent Virus Induction of the Human IFN- β Gene," <i>Cell</i> 71:777-789 (1992)
*	Thiele et al., "Regulation of <i>c-myb</i> Expression in Human Neuroblastoma Cells During Retinoic Acid-Induced Differentiation," <i>Mol. Cell Biol.</i> 8:1677-1683 (1988)
*	Torelli et al., "Expression of <i>c-myb</i> Protooncogene and Other Cell Cycle-Related Genes in Normal and Neoplastic Human Colonic Mucosa," <i>Cancer Res.</i> 47:5266-5269 (1987)
*	Uhlenbeck, "A Small Catalytic Oligoribonucleotide," <i>Nature</i> 328:596-600 (1987) (this is listed as Nature 327 in the various specifications, but it is actually 328).

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through ci conformance and not considered. Include copy of this form with next communication.

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No.	Serial No.
		MBHB 00-812-F (400/043)	10/056,414
		Applicant:	
		Stinchcomb, et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Filing Date:	Group:
		January 23, 2002	1635

RECEIVED JUN 27 2002

TECH CENTER 1600-2900

O I P E J C I R A
JUN 24 2002
PATENT & TRADEMARK OFFICE

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.).

*	Usman and Cedergren, "Exploiting the chemical synthesis of RNA," TIBS 17:334-339 (1992).
*	Usman et al., "Automated Chemical Synthesis of Long Oligoribonucleotides Using 2'-O-Silylated Ribonucleoside 3'-O-Phosphoramidites on a Controlled-Pore Glass Support: Synthesis of a 43-Nucleotide Sequence Similar to the 3'-Half Molecule of an Escherichia coli Formylmethionine tRNA," J. Am. Chem. Soc. 109:7845-7854 (1987).
*	van de Stolpe et al., "12-O-Tetradecanoylphorbol- 13-acetate- and Tumor Necrosis Factor α -mediated Induction of Intercellular Adhesion Molecule-1 Is Inhibited by Dexamethasone," J. Biol. Chem. 269:6185-6192 (1994)
*	Ventura et al., "Activation of HIV-Specific Ribozyme Activity by Self-Cleavage," Nucleic Acids Research 21:3249-3255 (1993).
*	Weerasinghe et al., "Resistance to Human Immunodeficiency Virus Type 1 (HIV-1) Infection in Human CD4+ Lymphocyte-Derived Cell Lines Conferred by Using Retroviral Vectors Expressing an HIV-1 RNA-Specific Ribozyme," Journal of Virology 65:5531-5534 (1994).
*	Weiser et al., "The Growth-related Transcription Factor OCT-1 is Expressed as a Function of Vascular Smooth Muscle Cell Modulation," Journal of Virology S18A:282 (1994)
*	Westin et al., "Alternative Splicing of the Human <i>c-myc</i> Gene," Oncogene 5:1117-1124 (1990)
*	Willard et al., "Recombinant Adenovirus in an Efficient Vector for <i>In Vivo</i> Gene Transfer and can be Preferentially Directed at Vascular Endothelium or Smooth Muscle Cells," Circulation - Abstracts from the 6th Scientific Sessions, New Orleans Convention Center, New Orleans, Louisiana, November 16-19, 1992 86:I-473 at 1880
*	Yu et al., "A Hairpin Ribozyme Inhibits Expression of Diverse Strains of Human Immunodeficiency Virus Type 1," Proc. Natl. Acad. Sci. USA 90:6340-6344 (1993).
*	Zaia et al., "Status of ribozyme and antisense-based developmental approaches for anti-HIV-1 therapy," Annals N.Y. Acad. Sci., 660:95-106
*	Zenke et al., "Receptor-mediated Endocytosis of Transferrin-Polycation Conjugates: An Efficient Way to Introduce
*	Zhou et al., "Synthesis of Functional mRNA in Mammalian Cells by Bacteriophage T3 RNA Polymerase," Mol. and Cell. Biol. 10:4529-4537 (1990).

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through ci conformance and not considered. Include copy of this form with next communication.